

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 04990.0043.US03		APPLICATION NO. 09/258,216	
				APPLICANT Soderlund, et al.			
				FILING DATE February 26, 1999		GROUP <del>1654</del> 1655	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
LBA	AA1	4,656,127	4/7/87	Mundy	435	6	
LBA	AB1	4,683,202	7/28/87	Mullis	435	6	
LBA	AC1	4,800,159	1/24/89	Mullis, et al.	435	91.2	
LBA	AD1	4,840,892	6/20/89	Adams	435	6	
LBA	AE1	4,851,331	7/25/89	Vary, et al.	435	6	
LBA	AF1	4,863,849	9/5/89	Melamede	435	6	
LBA	AG1	5,310,893	5/10/94	Erlich	435	6	

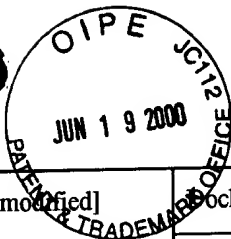
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
LBA	AH1	237,362	9/16/87	Europe		---	
	AI1	332,435	3/9/89	Europe		---	
	AJ1	333,465	3/15/89	Europe		---	
	AK1	329,822	8/30/89	Europe		---	
	AL1	357,011	8/30/89	Europe		---	
	AM1	332,435	9/13/89	Europe		---	
	AN1	336,731	10/11/89	Europe		---	
	AO1	370,694	11/16/89	Europe		---	
	AP1	371437A3	11/28/89	Europe		---	
	AQ1	412,883	3/13/91	Europe		---	
	AR1	WO89/09835	10/19/89	PCT		---	
	AS1	WO90/09455	8/23/90	PCT		---	
	AT1	WO90/11372	10/4/90	PCT		---	
	AU1	WO89/10414	11/2/90	PCT		---	
	AV1	0297379	1/4/89	PCT		---	
	AW1	0899282	3/22/90	PCT		---	
	AX1	123,513	4/18/84	Europe		---	
LBA	AY1	329,311	8/23/89	Europe		---	
	AZ1						

EXAMINER <i>Lisa B. Cull</i>	DATE CONSIDERED <i>9/25/00</i>
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			FILING DATE February 26, 1999	GROUP <del>1654</del> 1655
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
LBA	AA	<u>2</u>	Antonarakis, "Diagnosis of Genetic Disorders at the DNA Level," <i>N. Engl. J. Med.</i> , <b>320</b> : 153-63 (1989).	
LBA	AB	<u>2</u>	Bos, et al., "Prevalence of <i>ras</i> Gene Mutations in Human Colorectal Cancers," <i>Nature</i> <b>327</b> : 293-297 (1987).	
LBA	AC	<u>2</u>	Farr, et al., "Analysis of RAS Gene Mutations in Acute Myeloid Leukemia by Polymerase Chain Reaction and Oligonucleotide Probes," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <b>85</b> : 1629-33 (1988).	
LBA	AD	<u>2</u>	Rall, S.C. Jr., et al., "Type III hyperlipoproteinemia associated with apolipoprotein E phenotype E3/3. Structure and genetics of an apolipoprotein E3 variant," <i>J. Clinical Investigation</i> , <b>83</b> : 1095-1101 (1989).	
LBA	AE	<u>2</u>	Kerem, et al., "Identification of the Cystic Fibrosis Gene: Genetic Analysis," <i>Science</i> <b>245</b> : 1073-1080 (1989).	
LBA	AF	<u>2</u>	Kleppe, et al., "Studies on Polynucleotides," <i>J. Mol. Biol.</i> , <b>56</b> : 341-61. —	
LBA	AG	<u>2</u>	Mahley, "Apolipoprotein E: Cholesterol Transport Protein with Expanding Role in Cell Biology," <i>Science</i> , <b>240</b> : 622-630 (1988).	
LBA	AH	<u>2</u>	McLean, et al., "Human Apolipoprotein E mRNA..." <i>J. Biol. Chem.</i> <b>259</b> : 6498-6504 (1984).	
LBA	AI	<u>2</u>	McMahon, et al., "Characterization of c-Ki-RAS Oncogene..." <i>Proc. Natl. Acad. Sci. USA</i> , <b>84</b> : 4974-4978 (1987).	
LBA	AJ	<u>2</u>	Morel, et al., "Aspartic Acid at Position 57 of the HLA-DQ B Chain Protects Against Type I Diabetes: A Family Study," <i>Proc. Natl. Acad. Sci. USA</i> , <b>85</b> : 8111-8115, (1988).	
LBA	AK	<u>2</u>	Mullis and Faloona, "Specific Synthesis of DNA in vitro vs. Polymerase Catalyzed" <i>Chem. Reaction Meth. In Enzymol.</i> <b>155</b> : 335 (1987).	
LBA	AL	<u>2</u>	Mullis, "The Unusual Origin of the Polymerase Chain Reaction," <i>Sci. Am.</i> , <b>April 1990</b> : 56-65.	
LBA	AM	<u>2</u>	Scharf, et al., "HLA Class II Allelic Variation and Susceptibility to Pemphigus Vulgaris," <i>Proc. Natl. Acad. Sci. USA</i> , <b>85</b> : 3504-3508 (1988).	
LBA	AN	<u>2</u>	Syvanen, et al., "A primer-guided nucleotide incorporation assay in the genotyping of apolipoprotein E," <i>Genomics</i> <b>8</b> : 684-692 (1990).	
LBA	AO	<u>2</u>	Thomson, "HLA Disease Associations: Models for Insulin Dependent Diabetes Mellitus on the Study of Complex Human Genetic Disorders," <i>Annu. Rev. Genet.</i> <b>22</b> : 31-50 (1988).	
	AP	<u>2</u>		
	AQ	<u>2</u>		
	AR	<u>2</u>		
	AS	<u>2</u>		
	AT	<u>2</u>		
	AU	<u>2</u>		
EXAMINER			DATE CONSIDERED	
Lisa B. Cade			9/25/00	
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Form PTO-1449 (Rev. 10-92) [modified]	Packet No.: 13025-5	Application No.: 09/258,216
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (use several sheets if necessary)	Applicants: Soderlund et al.	
	Filing Date: 02/26/99	Group Art Unit: <del>1634</del> 1655

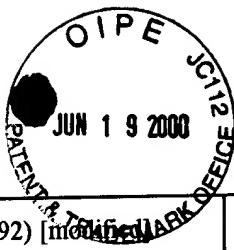
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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LBA	4	5	6	3	4	1	9		01/07/86	Ranki et al.	435	6	
LBA	4	6	8	3	1	9	5		07/28/87	Mullis et al.	435	6	
LBA	4	8	8	3	7	5	0		11/28/89	Whiteley et al.	435	6	
LBA	4	9	6	2	0	2	0		10/09/90	Tabor et al.	435	6	
LBA	4	9	6	8	6	0	2		11/06/90	Dattagupta	435	6	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
													YES	NO
LBA	2	2	0	2	3	2	8		09/21/88	Great Britain	—	—		
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LBA	8	9	1	0	4	1	4		11/02/89	WIPO	—	—		
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LBA	9	0	0	6	0	4	2		06/14/90	WIPO	—	—		
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LBA	0	2	8	8	7	3	7		11/02/88	Euro. Patent Office	—	—		

EXAMINER: <i>Lia B. Adler</i>	DATE CONSIDERED: 9/25/00
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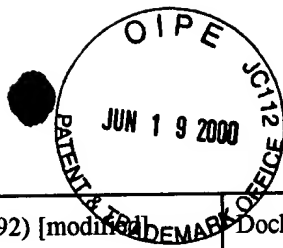
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LBA	0	4	1	2	8	8	3	02/13/91	Euro. Patent Office	—			

### OTHER DOCUMENTS

(including Author, Title, Date, Pertinent Pages, Etc.)

LBA	Syvanen et al., "Direct Sequence of Affinity-Captured Amplified Human DNA Application to the Detection of Apolipoprotein E Polymorphism", FEBS Letters, 258:71-74 (1989).
LBA	Syvanen et al., "Quantification of Polymerase Chain Reaction Products by Affinity-Based Hybrid Collection," Nucleic Acids Research, 16:11327-11339 (1988).
LBA	Ballabio et al., "PCR Test for Cystic Fibrosis Deletion", Nature, 343:220 (1990).
LBA	Grimberg et al., "A Simple and Efficient Non-Organic Procedure for the Isolation of Genomic DNA From Blood", Nucleic Acids Research, 17:8390 (1989).
LBA	Signer et al., "DNA Fingerprinting: Improved DNA Extraction From Small Blood Samples", Nucleic Acids Research, 16:7738 (1988).
LBA	Signer et al., "Modified Gel Electrophoresis for Higher Resolution of DNA Fingerprints", Nucleic Acids Research, 16:7739 (1988).
LBA	Mitchell et al., "Affinity Generation of Single Stranded DNA Following the Polymerase Chain Reaction: Application to Dideoxy Sequencing", WH 214 Journal of Cellular Biochemistry Supp. 13E 18 <sup>th</sup> Annual Meeting (1989).

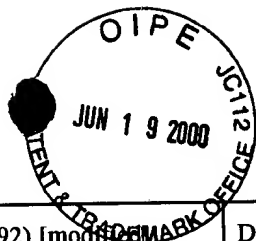
EXAMINER: <i>Lise B. Allen</i>	DATE CONSIDERED: <i>9/25/00</i>
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LBA	Smith, "DNA Sequence Analysis by Primed Synthesis", Methods in Enzymology, 65:560-581 (1980).
LBA	Kuppuswamy et al., "A New Use of Polymerase Chain Reaction (PCR) in Carrier Detection of Hemophilia-B Due to Point Mutations", Blood, The Journal of the American Society of Hematology, Thirty-First Annual Meeting of the American Society of Hematology, 74:957 (1989).
LBA	Rommens et al., "Identification of the Cystic Fibrosis Gene: Chromosome Walking and Jumping", Science, 245:1059-1065 (1989).
LBA	Riordan et al., "Identification of the Cystic Fibrosis Gene: Cloning and Characterization of Complementary DNA", Science, 245:1066-1072 (1989).
LBA	Wu et al., "Allele-specific Enzymatic Amplification of $\beta$ -Globin Genomic DNA for Diagnosis of Sickle Cell Anemia", Proc. Natl. Acad. Sci. USA, 86:2757-2760 (1989).
LBA	Newton et al., "Analysis of Any Point Mutation in DNA. The Amplification Refractory Mutation System (ARMS)", Nucleic Acids Research, 17:2503-2516 (1989).
LBA	Ehlen et al., "Detection of Ras Point Mutations by Polymerase Chain Reaction Using Mutation-Specific Inosine-Containing Oligonucleotide Primers", Biochemical and Biophysical Research Communications, 160: 441-447 (1989).
LBA	Nassal et al., "PCR-Based Site-Directed Mutagenesis Using Primers With Mismatched 3' - Ends", Nucleic Acids Research, 18:3077-3078 (1990).
LBA	Caskey et al., "Disease Diagnosis by Recombinant DNA Methods", Science, 236:1223-1228 (1987).
LBA	Landegren et al., "DNA Diagnostics - Molecular Techniques and Automation", Science, 242:229-237 (1988).
LBA	Rossiter et al., "Molecular Scanning Methods of Mutation Detection", The Journal of Biological Chemistry, 265:12753-12756 (1990).
LBA	Spitzer et al., "Replacement of Isoleucine-397 by Threonine in the Clotting Proteinase Factor IXa (Los Angeles and Long Beach Variants) Affects Macromolecular Catalysis but not L-tosylarginine Methyl Ester Hydrolysis", Biochem. J. 265: 219-225 (1990).

EXAMINER: Lisa B. Chelle	DATE CONSIDERED: 9/25/00
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LBA	Kuppuswamy et al., "Single Nucleotide Primer Extension to Detect Genetic Diseases: Experimental Application to Hemophilia B (factor IX) and Cystic Fibrosis Genes", Proc. Natl. Acad. Sci. USA, 88:1143-1147 (1991).
LBA	Prober et al., "A System for Rapid DNA Sequencing With Fluorescent Chain-Terminating Dideoxynucleotides", Science, 238:336-341 (1987).
LBA	Landegren et al., "A Ligase-Mediated Gene Detection Technique", Science, 241:1077-1080 (1988).
LBA	<del>Syvanen et al., "Direct Sequencing of Affinity-Captured Amplified Human DNA Application to the Detection of Apolipoprotein E Polymorphism", FEBS Letters, 258:71-74 (1989).</del>
LBA	Mikita et al., "Functional Consequences of the Arabinosylcytosine Structural Lesion in DNA", Biochemistry, 27:4698-4705 (1988).
	<del>Wu et al., "Allele-Specific Enzymatic Amplification of <math>\beta</math>-Globin Genomic DNA for Diagnosis of Sickle Cell Anemia", Proc. Natl. Acad. Sci. USA, 86:2757-2760 (1989).</del>
LBA	Mullis et al., "Specific Synthesis of DNA in Vitro Via a Polymerase-Catalyzed Chain Reaction", Methods in Enzymology, 155:335-351 (1987).
LBA	Spitzer et al., "Molecular Defect in Factor IX <sub>Bm Lake Elsinore</sub> ", The Journal of Biological Chemistry, 263:10545-10548 (1988).
LBA	Ware et al., "Genetic Defect Responsible for the Dysfunctional Protein: Factor IX <sub>Long Beach</sub> ", Blood, 72:820-822 (1988).

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